

ANTI-ISLANDING METHOD AND APPARATUS FOR DISTRIBUTED POWER GENERATION

CROSS REFERENCE TO RELATED APPLICATIONS

5 This application claims priority under 35 U.S.C. §119(e) from a provisional patent application filed on November 24, 1997, which is incorporated herein by reference for all purposes.

BACKGROUND OF THE INVENTION

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FIELD OF THE INVENTION

The present invention relates to anti-islanding inverters, power converters and generators connected to electric distribution utility grids.

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BACKGROUND ART

The distribution of electric power from utility companies to households and businesses utilizes a network of utility lines connected to each residence and business. This network or grid is interconnected with various generating stations and substations that supply power to the various loads and that monitor the lines for problems.

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An electric utility grid generally can also consist of many independent energy sources energizing the grid and providing power to the loads on the grid. This distributed power generation is becoming more common throughout the world as alternative energy sources are being used for the generation of electric power. In the United States, the deregulation of electric companies has spurred the development of independent energy sources co-existing with the electric utility. Rather than have completely independent energy sources for a particular load, these alternative energy sources can tie into the grid and are used to supplement the capacity of the electric utility.

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